

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO.	SERIAL NO.
	8447	TBD
	Suhail Saquib, et al. FILING DATE August 22, 2001	
	GROUP	TBD

1033 U.S. PTO
09/934703
08/22/01

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Uen	4,070,587	01/24/78	T. Hanakata	307	141	#2
	4,284,876	08/18/81	N. Ishibashi, et al.	219	216	10/15/01
	4,309,712	01/05/82	S. Iwakura	346	76	M.P. Redger
	4,347,518	08/31/82	G. L. Williams, et al.	346	1.1	
	4,364,063	12/14/82	G. Anno	346	76	
	4,391,535	07/05/83	R. C. Palmer	400	120	
	4,415,908	11/15/83	K. Sugiura	346	76	
	4,443,121	04/17/84	K. Arai	400	120	
	4,464,669	08/07/84	K. Sekiya, et al.	346	76	
	4,514,738	04/30/85	H. Nagato, et al.	346	76	
	4,524,368	06/18/85	T. Inui, et al.	346	76	
	4,563,691	01/07/86	A. Noguchi, et al.	346	76	
	4,607,262	08/19/86	H. Moriguchi, et al.	346	76	
	4,688,051	08/18/87	T. Kawakami, et al.	346	76	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
Uen	JP 02-248264	04.10.90	JAPAN				
	JP 02-289364	29.11.90	JAPAN				
	JP 03-024972	01.02.91	JAPAN				
	JP 58-164368	29.09.83	JAPAN				
	JP 59-127781	23.07.84	JAPAN				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER	DATE CONSIDERED
H. TRAN	12/19/02

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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>HS</i>	5,006,866	04/09/91	A. Someya	346	76	
	5,066,961	11/19/91	H. Yamashita	346	76	
	5,086,306	02/04/92	E. Sasaki	346	76	
	5,115,252	05/19/92	E. Sasaki	346	76	
	5,132,703	07/21/92	E. Nakayama	346	76	
	5,162,813	11/10/92	Y. Kuroiwa, et al.	346	1.1	
	5,184,150	02/02/93	Y. Sugimoto	346	76	
	5,248,995	09/28/93	H. Izumi	346	76	
	5,268,706	12/07/93	M. Sakamoto	346	76	
	5,576,745	11/19/96	M. Matsubara	347	14	
	5,623,297	04/22/97	P. A. Austin, et al.	347	194	
	6,644,351	07/01/97	Y. Matsumoto, et al.	347	194	
	5,539,443	07/23/96	Y. Mushika, et al.	374	194	
	5,719,615	02/17/98	T. Hashiguchi, et al.	347	195	
	5,800,075	09/01/98	N. Katsuma, et al.	400	120	
	5,808,653	09/15/98	Y. Matsumoto, et al.	347	194	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER <i>HS</i>	DATE CONSIDERED <i>12/9/01</i>
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Suhail Saquib, et al.		
FILING DATE <div style="text-align: center; font-weight: bold;">August 22, 2001</div>		GROUP <div style="text-align: center; font-weight: bold;">TBD</div>

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
H	5,132,709	07/21/92	D. A. West	346	76	
	5,422,662	06/06/95	I. Fukushima	342	211	
	5,642,148	06/24/97	I. Fukushima	347	211	
	5,646,672	07/08/97	I. Fukushima	347	211	
	5,706,044	01/06/98	I. Fukushima	347	211	
	5,841,461	11/24/98	N. Katsuma	347	195	
	5,889,546	03/30/99	H. Fukuoka	347	188	
	5,999,204	12/07/99	T. Kojima	347	194	
	6,186,683 B1	02/13/01	T. Shibuki	400	120.08	

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER <div style="text-align: center; font-weight: bold;">H. R. R.</div>	DATE CONSIDERED <div style="text-align: center; font-weight: bold;">2/19/02</div>
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				Sunhail S. Saquib, et al.			
				FILING DATE August 22, 2001		GROUP TBD	
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Yub		5,625,399	04-29-97	C.A. Wiklof, et al..	347	195	

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 OCT 17 2001
 Technology Center 2600

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

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 OCT 19 2001
 102800 MAIL ROOM

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EXAMINER <div style="text-align: center; font-family: cursive;">H. P. R.</div>	DATE CONSIDERED <div style="text-align: center; font-family: cursive;">12/19/01</div>
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